

## ABSTRACT OF THE DISCLOSURE

A conductor wire comprises a core, a copper-clad layer clad around the core, and an insulating layer provided therearound as required. The core is formed of an alloy of aluminum, magnesium and silicon for flatting with a purity of aluminum greater than or equal to 90%. The copper-clad layer has a cladding rate of 25-40% in an areal ratio. Adoption of the conductor wire provides a voice coil and a loudspeaker device with the same voice coil having excellent waterproof and effective strength.